

Title (en)

Calculation unit for determining the inverse of an integer modulo of a big number

Title (de)

Recheneinheit zum Bestimmen der Inverse einer Ganzzahl Modulo einer grossen Zahl

Title (fr)

Unité de calcul dans laquelle on détermine l'inverse d'un entier modulo un grand nombre

Publication

EP 1199628 B1 20060503 (FR)

Application

EP 01402606 A 20011009

Priority

FR 0013373 A 20001019

Abstract (en)

[origin: EP1199628A1] A calculating unit programmed to carry out at least one part of a cryptographic protocol including the determining of the reverse of an entire modulo of a multitude. The unit comprises systems (12,M, SE1) to dispose of a series of binary numbers with the said multitude. There are systems (Ga,14) to distribute these numbers randomly in two groups.

IPC 8 full level

G06F 7/72 (2006.01); **G09C 1/00** (2006.01); **G06F 7/58** (2006.01)

CPC (source: EP US)

G06F 7/721 (2013.01 - EP US); **G06F 7/58** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1199628 A1 20020424; **EP 1199628 B1 20060503**; AT E325381 T1 20060615; CA 2359198 A1 20020419; CA 2359198 C 20071204; DE 60119254 D1 20060608; DE 60119254 T2 20070215; ES 2260181 T3 20061101; FR 2815734 A1 20020426; FR 2815734 B1 20060728; HK 1047170 A1 20030207; HK 1047170 B 20060804; JP 2002196671 A 20020712; US 2002061104 A1 20020523; US 7457408 B2 20081125

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EP 01402606 A 20011009; AT 01402606 T 20011009; CA 2359198 A 20011016; DE 60119254 T 20011009; ES 01402606 T 20011009; FR 0013373 A 20001019; HK 02107694 A 20021023; JP 2001318835 A 20011017; US 97868601 A 20011018